

Lichttechnischer Prüfbefund

Familie
Licross® 21 Silica



Bestell-Nr.: 51TS12DN4ZM00581XX
EAN: 4058352957462

LP-Nummer
59267_156

Ausführung Reflektor, weiß, direkt strahlend, breit strahlend, UGR≤19 (L65≤3000cd/m²)
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 5810 lm
 Systemleistung = 32.7 W
 Lichtausbeute = 177.7 lm/W

Seriendokumentation
23.08.2023

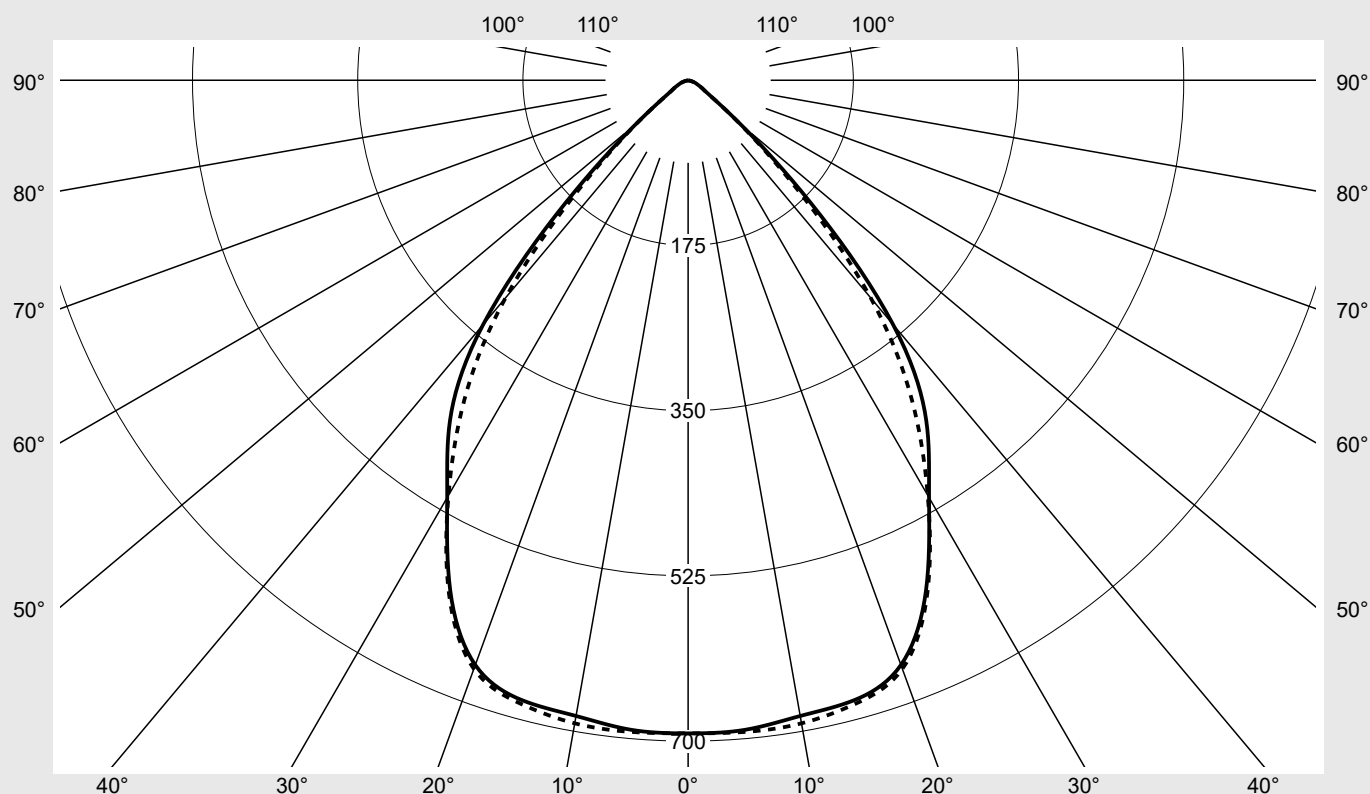
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 693 cd/klm



Klassifizierungen

DIN 5040 A 6 0
 CIE N1=83 N2=98 N3=100
 N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	691.8	691.8	691.8	691.8	691.8	691.8	691.8	4.1	4.1
5°	690.7	689.7	686.1	690.3	692.9	690.5	692.9	33.0	37.1
10°	683.8	683.7	680.0	686.1	689.1	688.2	691.7	65.3	102.4
15°	679.8	682.8	679.6	683.5	685.2	682.6	683.9	96.8	199.2
20°	659.2	666.3	668.8	670.3	667.9	663.4	663.6	124.9	324.1
25°	596.3	606.7	617.7	624.9	617.5	607.1	599.6	141.8	465.9
30°	510.4	519.4	522.0	521.4	520.1	511.7	507.7	141.8	607.7
35°	439.7	447.6	431.3	414.6	422.9	421.6	413.2	134.4	742.1
40°	337.7	347.1	337.5	327.0	327.2	315.0	300.9	115.9	857.9
45°	183.5	191.6	192.8	192.4	185.5	172.4	164.1	71.6	929.5
50°	72.2	76.5	81.6	85.0	79.2	72.7	70.3	32.6	962.2
55°	28.9	31.6	36.0	41.5	36.6	30.9	28.5	15.4	977.5
60°	17.8	18.8	20.5	22.6	20.4	18.4	17.4	9.4	986.9
65°	11.5	12.0	12.6	12.8	12.4	11.7	11.3	6.0	992.9
70°	7.8	8.1	7.5	7.2	7.4	7.8	7.7	3.9	996.9
75°	3.2	3.4	3.7	3.8	3.8	3.6	3.3	1.9	998.8
80°	1.5	1.5	1.5	1.6	1.6	1.6	1.6	0.8	999.6
85°	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.4	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,4	20,7	19,8	21,0	21,4	19,1	20,4	19,4	20,7	21,0
	3H	19,3	20,5	19,7	20,8	21,2	19,0	20,2	19,4	20,5	20,8
	4H	19,3	20,3	19,7	20,7	21,1	19,0	20,0	19,3	20,4	20,7
	6H	19,2	20,2	19,6	20,6	21,0	18,9	19,9	19,3	20,2	20,6
	8H	19,3	20,1	19,7	20,5	20,9	18,9	19,8	19,4	20,2	20,6
	12H	19,3	20,0	19,7	20,4	20,8	18,9	19,7	19,3	20,1	20,5
4H	2H	19,3	20,3	19,7	20,7	21,1	18,9	20,0	19,3	20,4	20,7
	3H	19,2	20,1	19,6	20,5	20,9	18,9	19,8	19,3	20,1	20,6
	4H	19,1	19,9	19,6	20,3	20,8	18,8	19,6	19,3	20,0	20,4
	6H	19,1	19,7	19,5	20,2	20,6	18,8	19,4	19,2	19,9	20,3
	8H	19,0	19,6	19,5	20,1	20,6	18,7	19,3	19,2	19,8	20,2
	12H	19,0	19,5	19,5	20,0	20,5	18,7	19,2	19,2	19,7	20,2
8H	4H	19,0	19,6	19,5	20,1	20,6	18,7	19,3	19,2	19,8	20,2
	6H	19,0	19,4	19,5	19,9	20,4	18,6	19,1	19,1	19,6	20,1
	8H	18,9	19,3	19,4	19,8	20,3	18,6	19,0	19,1	19,5	20,0
	12H	18,9	19,2	19,4	19,7	20,3	18,6	18,9	19,1	19,4	20,0
12H	4H	19,0	19,5	19,5	20,0	20,5	18,7	19,2	19,2	19,7	20,2
	6H	18,9	19,3	19,5	19,8	20,3	18,6	19,0	19,1	19,5	20,0
	8H	18,9	19,2	19,4	19,7	20,3	18,6	18,9	19,1	19,4	20,0

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1470 B = 49
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C- Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°	20929.8	21857.7	21989.4	21951.7	21155.4	19662.5	18717.6	
50°	9060.6	9595.9	10236.6	10671.8	9939.4	9124.1	8827.4	
55°	4070.5	4446.2	5067.0	5836.8	5145.0	4349.6	4004.1	
60°	2867.7	3026.4	3307.6	3640.1	3296.0	2972.4	2812.6	
65°	2196.8	2287.1	2412.8	2437.1	2362.5	2235.5	2159.0	
70°	1851.1	1905.6	1773.3	1700.9	1737.2	1847.3	1820.0	
75°	986.7	1072.4	1147.8	1199.2	1190.5	1118.5	1038.1	
80°	684.2	697.2	717.7	722.8	745.5	760.9	755.8	
85°	610.8	610.8	631.2	651.5	692.3	727.4	722.8	

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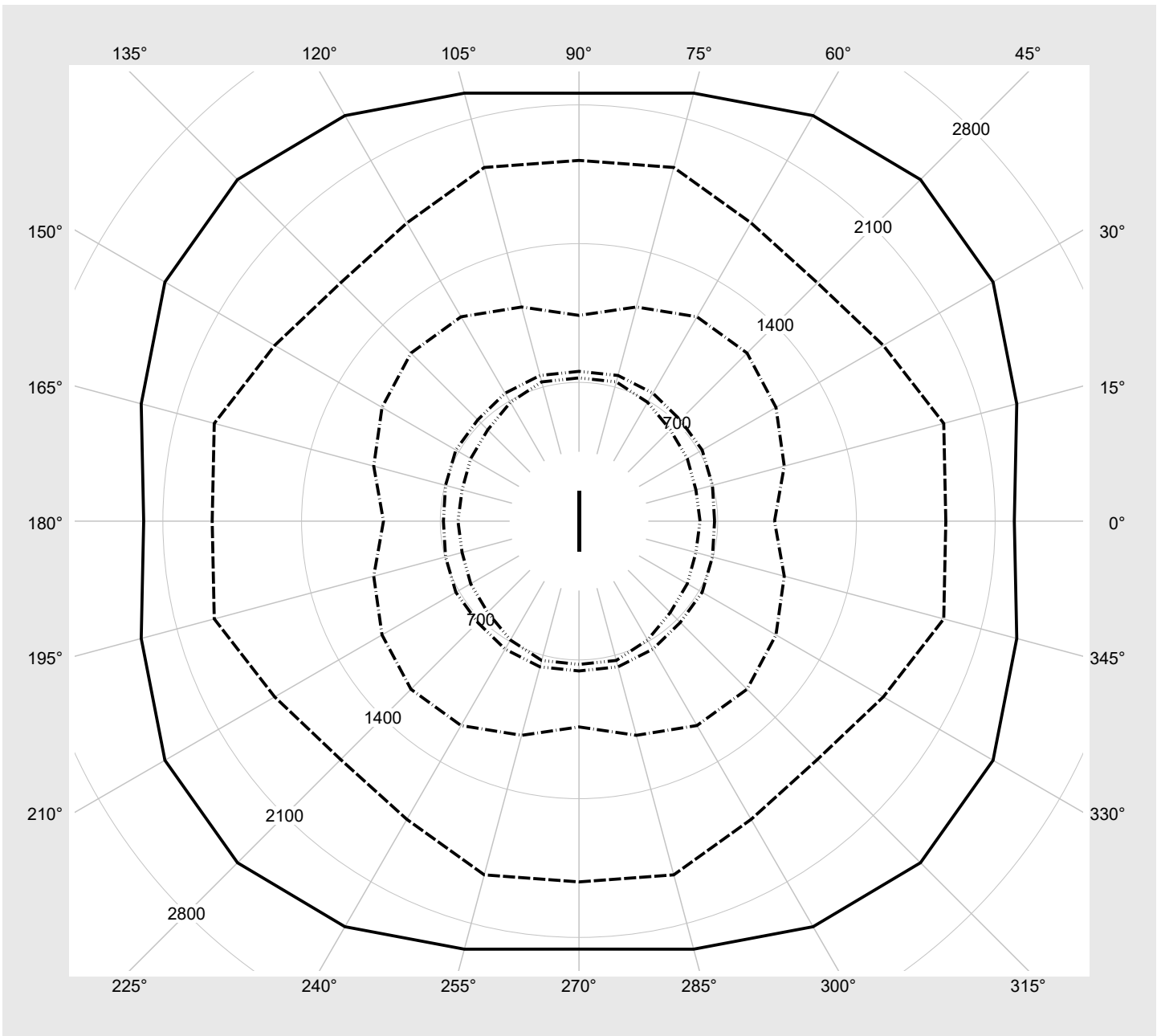
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Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	5810	32.7
95	241	252	5529	31.1
90	227	250	5222	29.3
85	214	248	4937	27.7
80	201	245	4651	26.1
75	188	243	4362	24.4
70	175	240	4072	22.8
65	162	238	3779	21.2
60	149	234	3485	19.6
55	136	231	3186	18.0
50	124	228	2912	16.5
45	111	224	2612	14.9
40	99	219	2334	13.4
35	86	214	2031	11.8
30	74	209	1750	10.4
25	61	202	1444	8.9
20	49	194	1160	7.4
15	37	183	874	5.9
10	25	169	587	4.5
5	13	145	300	3.1
2	5	110	107	2.1